

SAIL-M12BG-5S20U**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference. Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

Version	Sensor/actuator line, One end without connector, M12, Number of poles : 5, 20 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	9456142000
Type	SAIL-M12BG-5S20U
GTIN (EAN)	4050118080087
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	926 g
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Technical specifications for cable

Acceleration	5 m/s²	
Bending cycles	2 Mio	
Bending radius, min., moving	10 x cable diameter	
Bending radius, min., stationary	5 x cable diameter	
Cable length	20 m	
Colour coding	blue, white, brown, grey, black	
Configurable cable length	No	
Core cross-section	0.34 mm²	
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	
Halogen	No	
Housing main material	PUR	
Hydrolysis and microbe resistant	Yes	
Insulation	PP	
LABS-free	Yes	
Number of poles	5	
Number of poles	5	
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	
Outer diameter	5.7 ± 0.2 mm	
Outside diameter	5.7 mm ± 0.2 mm	
Outside diameter	Diameter	5.7 mm
	Signs	±
	Tolerance	0.2 mm
Resistance to oils	in accordance with IEC 60811:404	
Resistance to spread of flame	According to UL2556 FT2	
Resistant to welding beads	No	
Sheath material	PUR	
Sheathing colour	black	
Shielded	Yes	
Speed	200 m/min	
Suitable for cable carriers	Yes	
Temperature range, moving	-25...80 °C	
Temperature range, moving, max.	80 °C	
Temperature range, moving, min.	-25 °C	
Temperature range, stationary	-40...80 °C	
Temperature range, stationary, max.	80 °C	
Temperature range, stationary, min.	-40 °C	
Torsion resistance	0 °/m	

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Technical data**General technical data**

Coding	A	Connection thread	M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	$10^8 \Omega$	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Rated current	4 A
Rated voltage	125 V	Temperature range of housing	-25...+80 °C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	Female socket, straight	jumpered	No

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ECLASS 9.0	27-06-03-11	ECLASS 9.1	27-06-03-11
ECLASS 10.0	27-06-03-11	ECLASS 11.0	27-06-03-11

Approvals

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ROHS	Conform
UL File Number Search	E307231

DownloadsEngineering Data [STEP](#)

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Drawings

Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F